

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing Of Claims:**

1.-9. (Canceled)

10. (New) A window-integrated antenna in a vehicle, comprising:  
a heating conductor field provided for at least one of FM reception, TV reception, and LMS reception; and  
at least one decoupling element for at least the LMS reception, the at least one decoupling element including a high-frequency and non-galvanic connection to the heating conductor field, wherein the at least one decoupling element is situated in the heating conductor field between two adjacent heating conductors.
11. (New) The window-integrated antenna as recited in Claim 10, wherein the at least one decoupling element is for the FM reception and the TV reception.
12. (New) The window-integrated antenna as recited in Claim 11, further comprising:  
an FM/TV choke provided in a heating circuit.
13. (New) The window-integrated antenna as recited in Claim 10, further comprising:  
antenna conductors situated in the heating conductor field substantially perpendicularly to the heating conductors and galvanically linked to the heating conductors.
14. (New) The window-integrated antenna as recited in Claim 13, wherein:  
the antenna conductors are designed, with regard to at least one of a length and a position thereof, in such a way that a resonance-like behavior of the antenna occurs at a connection end of the at least one decoupling element in an FM range.
15. (New) The window-integrated antenna as recited in Claim 10, wherein the at least one decoupling element includes at least one of a straight-line conductor, an open conductor loop, and a closed conductor loop.

16. (New) The window-integrated antenna as recited in Claim 10, wherein a grounding point for decoupling at least one of an LMS antenna signal, an FM antenna signal, and a TV antenna signal is located in a proximity of a connection end of the at least one decoupling element.
17. (New) The window-integrated antenna as recited in Claim 10, wherein at least one further FM/TV antenna signal decoupling is provided that is galvanically linked to the heating conductor field, and to a busbar situated at a distance from a connection end of the at least one decoupling element.
18. (New) The window-integrated antenna as recited in Claim 10, wherein a distance of the at least one decoupling element to one of the heating conductors is selected to be so close that a capacitive coupling with the heating conductor is ensured for FM/TV frequencies.
19. (New) The window-integrated antenna as recited in Claim 18, wherein the at least one decoupling element includes one of a straight-line conductor and a conductor loop.